

Flutter Course

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What Is Flutter?

Framework Architecture

1. Dart Platform (apps language).
2. Flutter Engine (rendering support).
3. Foundation Library (basic classes)
4. Design-Specific Widgets (material - cupertino)
5. Flutter Development Tools (DevTools)

What's Dart?

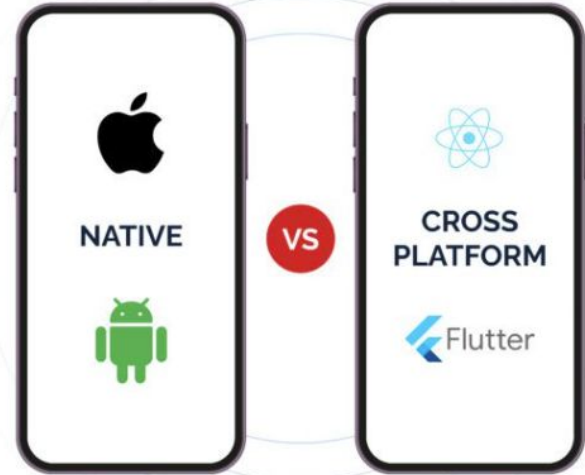
Dart is a programming language designed for client development, such as for the web and mobile apps.

It is developed by Google and can also be used to build server and desktop applications.

Dart was released in October 2012 (9 years ago)

Native VS Cross (Flutter)

**Native App vs.
Cross-Platform**
Pros & Cons, Cost
Comparison



Future?



Flutter

2 million users and counting

Performance

Flutter is written in Dart language, which allows compiling a code quicker than JavaScript. Moreover, thanks to this, Flutter displays animations at 60 fps as a standard. As a rule, all Flutter apps have a high performance by default.

Documentation

Flutter is known for perfectly structured documentation, which has answers to all the questions.

Flutter documentation covers but is not limited to:

Libraries - animation - Cupertino - foundation - material - painting - physics- rendering - scheduler - semantics-services - widgets - Dart - Core - Web- Platform integration (Android and iOS)

UI

The simplicity with which widgets can be changed or customized when utilizing Flutter is one of its advantages. Moreover, it offers UI widgets that adhere to important web application design standards.

With a single codebase, developers can create stunning, natively built applications for mobile, web, and desktop using Google's Flutter UI toolkit.

Flutter differs from the majority of other frameworks for developing mobile apps. Instead, Flutter draws widgets using a powerful rendering engine that it has especially developed.

Community Support

The goal of Flutter Community is to offer information and resources for everything relevant to Flutter. Every developer, regardless of skill level, may find information

React Native VS (Flutter)



React Native



Flutter



React Native

facebook





Google

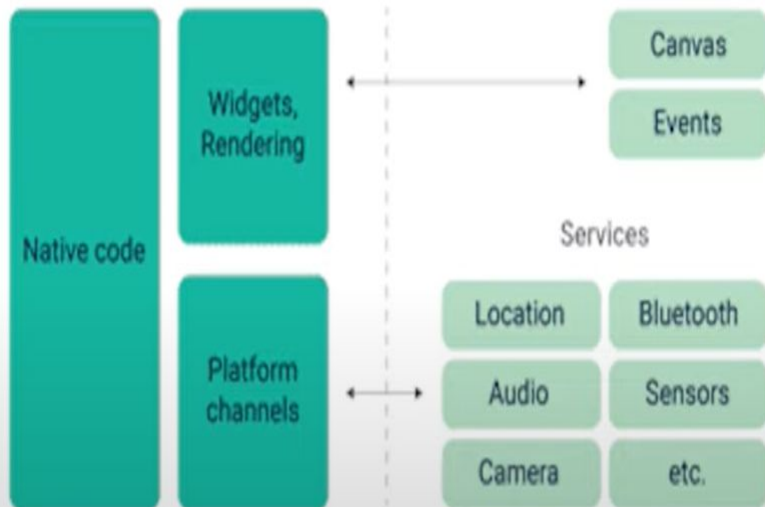


How Flutter & React Native interacts with native components



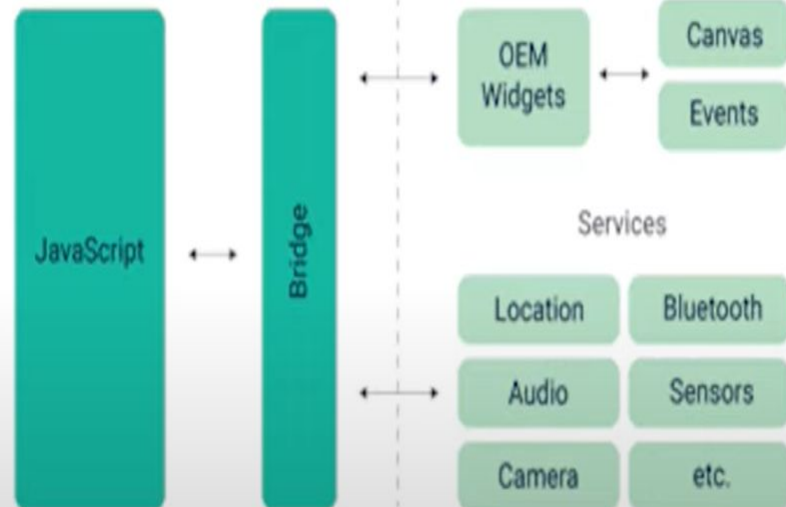
Your app

Platform



Your app

Platform



React Native VS (Flutter)

REACT NATIVE VS. FLUTTER

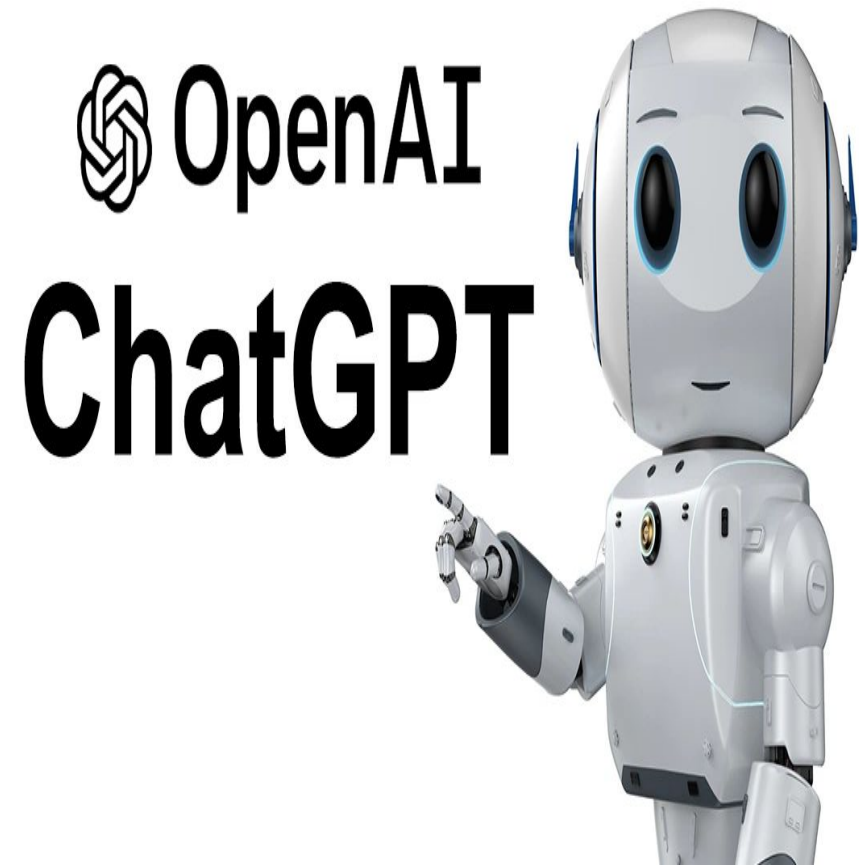


Parameters	React Native	Flutter
Launch Date	March 2015	May 2017
Developers	Facebook	Google
Programming Language	JavaScript	Dart
Framework Libraries	Third-party libraries	In-built app components
Native Experience	Good	Superior
Hot Reload	Good	Superior
Documentation	Up-to-date but not accurate	Precise and up-to-date

Freelance Vs Employee



AI ?!



Questions

